REMARKS

By the present Amendment, claim 1 has been revised to recite that the at least one other salt of zinc is selected from zinc phosphate, zinc stannate and calcium zinc molybdate and to recite the mass ratios of these salts relative to zinc borate. In this latter regard, claim 1 now recites that when the other salt of zinc is zinc phosphate, the mass ratio of zinc borate and zinc phosphate is 1:0.1 to 1:5, and when the other salt of zinc is zinc stannate or calcium zinc molybdate, the mass ratio of zinc borate and zinc stannate or calcium zinc molybdate is 1:1. Support for these recitations may be found in the specification at least at page 13, line 21 to page 14, line 24 and Examples 1-7, with Examples 5 and 6 illustrating a 1:1 mass ratio of zinc borate and zinc stannate and zinc borate and calcium zinc molybdate, respectively. New dependent claim 15 has been added to recite more preferred amounts of the inorganic reinforcing agent and the drip preventing agent as described in the specification such as on page 16, lines 15-21 and page 17, lines 14-20, respectively. Claims 2, 3 and 9-14 have been canceled without prejudice or disclaimer.

In accordance with the present invention, one can obtain a flame-retardant composition which generates little or no bromine gas, has excellent flame retardancy, toughness and melt fluidity, as well as good heat resistance and color stability in the reflow soldering step required in surface mounting technology. Such advantageous results are illustrated in Examples 1-7 in Table 1 on pages 28 and 29 of the specification, which include each of the recited combinations of zinc borate and the defined other zinc salt. The Comparative Examples show that when the zinc borate and at least one other salt of zinc are both absent, as in Comparative Example 1, or when the zinc borate is present, but the at least one other salt of zinc is absent, as in Comparative Example 2, or when the zinc borate is absent, but

another of zinc salt is present, as in Comparative Examples 3-5, substantially inferior results occur. In this respect, it will be appreciated that the Comparative Examples that have only one zinc salt do not have the same advantageous properties, particularly both excellent heat resistance and color stability in the reflow soldering step. The additional Comparative Example provided in the Declaration Under 37 C.F.R. §1.132 submitted with the response dated November 17, 2008, shows that a combination of zinc phosphate and calcium zinc molybdate (but which does not contain zinc borate) also provides inferior results, particularly with respect to the flammability evaluation and reflow resistant temperature.

In view of the amendments to the claims, the evidence of record and the foregoing discussion, applicant respectfully submits that the amended claims are patentable over JP 2001-220441. The JP '441 publication relates to a combustionresistant polyamide composition. As described in paragraph [0010], the composition includes (A) 20-80 wt% of aromatic polyamide with a melting point of 290°C or more, (B) 0-60 wt% of inorganic reinforcing material, (C) 5-40 wt% of bromine combustionresisting agent, and (D) 0.1-10 wt% of one or more kinds of compounds selected from compound oxides containing zinc and zinc salts of phosphoric acid with the total amount being 100 wt%. The compound oxides containing zinc and zinc salts are set forth in paragraph [0038] and include a number of different compounds. In particular, the compounds include oxides of zinc combined with elements of Group 13 or 14 of the periodic table with boron, aluminum, gallium, thallium, carbon, silicon, germanium, tin and lead being specifically mentioned. This paragraph also mentions zinc salts of molybdate or tungstenate. While zinc borates are identified, the paragraph continues by stating that it is also possible to use zinc salts of molybdic acid or tungstic acid with calcium zinc molybdate, alkaline zinc molybdate and

compounds of high-efficiency zinc molybdate and magnesium silicate being mentioned.

The Examples of the JP '411 publication only include a single zinc salt with Examples 1 and 3 only containing zinc borate and Examples 2 and 4 only containing zinc stannate.

The JP '441 Publication does not describe every element of the claim, nor does render the claimed subject matter obvious. There is absolutely no teaching to use a combination of zinc borate and at least one other of the specifically defined salts of zinc as recited in amended claim 1 of the present application. Instead, the JP '441 Publication teaches a variety of zinc compounds which can be used without any guidance that mixtures are important, much less mixtures of zinc borate and at least one other salt of zinc selected from zinc phosphate, zinc stannate and calcium zinc molybdate. It will be recognized that the illustrative examples of the JP '441 publication only use a single zinc salt and that the examples that use zinc borate alone are similar to **Comparative** Example 2 of the present application while the illustrative Examples of the JP '441 publication that use zinc stannate alone are similar to Comparative Example 4 of the present application. Both of these Comparative Examples provide inferior color stability relative to the illustrative Examples. It is also of significance that the JP '441 Publication does not disclose or suggest that improvements in color stability relative to zinc borate or zinc stannate alone can be attained in accordance with the present invention.

The evidence of record refutes any possible contention that the claims are obvious from the teachings of the JP '441 Publication. The publication does not recognize that by using a combination of zinc borate and at least one other salt of zinc from the defined group in accordance with the present invention, one can obtain

the advantageous properties illustrated in the evidence of record, including advantageous properties that are nowhere appreciated by the JP '441 publication.

In view of the subject matter defined in the claims and the evidence that has been provided in the record, applicant respectfully maintains that the presently claimed invention is patentable over the cited prior art and therefore requests reconsideration and allowance of the present application.

Should the Examiner wish to discuss any aspect of the present application, she is invited to contact the undersigned attorney at the number provided below.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

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